GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Energy Department - Andhra Pradesh State Energy Conservation Mission (APSECM) – Constitution of Energy Conservation Cells in all Heads of Department (HOD) offices and District offices of the State of Andhra Pradesh other than Agricultural Technology Management Agency (ATMAs) - Orders – Issued.

ENERGY (POWER-II) DEPARTMENT

G.O.Rt.No.89 Dated:05-11-2020

Read the following:

1. G.O.Ms.No.38, Energy Department, Dt.26.09.2012.
2. G.O.Ms.No.8, Energy (Res.A2) Department, Dt. 03-02-2014.

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O R D E R:

Realizing the need for conservation of energy and its efficient use, Government of Andhra Pradesh had constituted State Energy Conservation Mission (SECM), Energy Department in the G.O.1st read above.

2. In the G.O.2nd read above, the State Energy Conservation Mission (SECM) was registered as a Society under the AP Societies Registration Act and designated as State Designated Agency (SDA) to coordinate, regulate and enforce the provisions of the Energy Conservation Act, 2001, (Central Act No.52 of 2001) within the State of Andhra Pradesh. The other responsibilities of SECM include facilitating/enforcing the efficient use of energy and its conservation in various Government and Government supported Organizations covering all areas of energy use and evolve measurable and sustainable department/organization specific Energy Conservation goals with clear action plan.

3. Now, the Government of Andhra Pradesh has attached highest priority for Power Sector and promotion of efficient use of energy and its conservation which is the least-cost option to meet the increasing energy demand. Energy efficiency is essential for achieving cost effective power and sustainable development of the State for which it requires the active involvement of each and every department.

4. In view of the importance attached to Energy Efficiency, it is directed to create Energy Conservation (EC) Cells in all the Heads of Department (HOD) offices of the State Government, District level offices and Corporations/Societies offices in the State. Each Energy Conservation (EC) Cell that will be created for this purpose shall act as a Nodal Agency

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to coordinate with the Chief Executive Officer (CEO), State Energy Conservation Mission (SECM) for effective implementation of Energy Conservation & Energy Efficiency measures in respective Department / Organization.

5. Government hereby direct that all Heads of the Department (HODs)/ all District Collectors and all Chairpersons of Corporations/ Societies in the State shall take necessary action to constitute Energy Conservation (EC) Cell utilizing their existing staff, within one month in the respective Departments/ Corporations/ Societies as per the structure, roles and responsibilities of the Members mentioned in Annexure under intimation to the Chief Executive Officer, Andhra Pradesh State Energy Conservation Mission (APSECM).

6. The Chief Executive Officer, State Energy Conservation Mission shall coordinate with all departments/organizations in this regard.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

SRIKANT NAGULAPALLI
SECRETARY TO GOVERNMENT

To
All the Heads of Departments.
All the Collectors & District Magistrates.
All the Chairpersons of Corporations/Societies in the State.
All the Chairpersons of Societies in the State.

Copy to:

All the Departments of Secretariat.
The Chief Executive Officer,
State Energy Conservation Mission, Vijayawada.
The P.S To Hon'ble C.M.
The P.S to Hon'ble Minister for Energy, EFS&T.
The P.S to C.S to Government.
The P.S. to Secretary to Government, Energy Department.
SF/SC.(File Computer No.1102003)

// FORWARDED :: BY ORDER //

SECTION OFFICER

(Contd.Annexure)

Annexure to the G.O.Rt.No.89, Energy (Power.II) Department, Dated.05-11-2020

1. Need for Creation of Energy Conservation Cells in Government Departments:

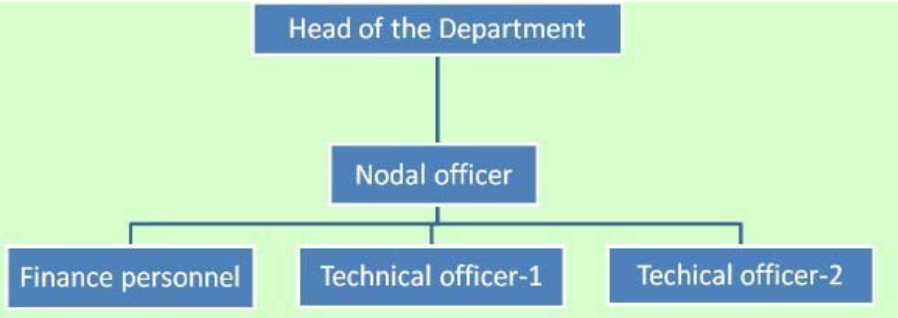
i. The purpose of Energy Conservation Cells is to introduce cost-effective, energy-efficient technologies in the State Government departments and promote an energy conscious culture that encourages sensible decisions with regard to energy consumption. In the bigger picture, the reduction in total energy demand will result across all Government departments, positively addressing escalated energy usage and electricity bills.

ii. As per the estimate of Bureau of Energy Efficiency, Government of India and the Andhra Pradesh State Energy Conservation Mission (APSECM), Energy department, there is an estimated energy saving potential of about 20% against the State's Annual energy requirement of about 66000 MU. During the period 2014-2019, the estimated energy savings have been around 2000 MU only. There is substantial scope for energy savings, particularly in the Government Departments.

iii. Energy conservation and Energy Efficiency measures help to avoid wasteful usage of energy with very less investment and it is also the easiest solution to bridge the gap between demand and supply.

2. Composition and functions of Energy Conservation Cell:

A. ORGANISATION STRUCTURE:



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B. Functions:

i. The Energy Conservation Cell shall champion the cause of conservation of Energy and take all necessary measures for creation of necessary awareness and bringing about sustainable behavioral change leading to economical consumption of energy.
ii. The main purpose of Energy Conservation Cell is to ensure reduction of energy consumption as well as electricity bills by effectively implementing energy conservation and energy efficiency activities so that economical burden shall be reduced among the departments.
iii. To devise measurable and sustainable goals with clear Action Plan involving Power Utilities in co-ordination with APSECM, State Designated Agency of Andhra Pradesh.
iv. Compile best practices and methods to reduce energy consumption in their establishments and thereby APSECM shall propagate and communicate the same through case studies, energy saving booklets/tip sheets to other departments.
v. Facilitate and enforce the efficient use of energy and its conservation in all the respective units of the department covering all areas of energy use.
vi. The Energy Conservation (EC) Cell will meet at least once in a month to review the progress of the Energy Efficiency Action Plan of their department.
vii. Detailed Report of activities of the Energy Conservation (EC) cell of various departments shall be furnished to the Chief Executive Officer, State Energy Conservation Mission (SECM) on a monthly basis so as to send the same to the Government.

C. Roles & Responsibilities of the Head of the Department/Corporation/Society:

i. The HoD will nominate an official in the rank of Chief General Manager (CGM) as Nodal Officer for the Energy Conservation (EC) Cell and two Technical officers and one Finance personnel as members for the cell in the department.
ii. To chair at least a meeting with Nodal Officer, Technical officers and Finance personnel once in a month to review the energy efficiency initiatives of the department by the Heads of Department.
iii. To finalize and approve the Action Plan.

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Roles & Responsibilities of Nodal Officer:

i. Implementation of provisions of Energy Conservation Act, 2001 in their jurisdiction.
ii. To develop Action Plan for expeditious implementation of energy conservation measures in their respective Department.
iii. To coordinate with APSECM, SDA of AP on the finalized Action Plan, implementation schedule along with timelines and any support required from APSECM.
iv. To participate in the meetings chaired by Heads of Department.

Technical officer:

i. To identify the potentiality of energy efficiency in the department by accessing technologies across the world and prepare technical Action Plan and ensuring implementation of the same in co-ordination with APSECM.
ii. Assisting the Nodal Officer in implementation of provisions of Energy Conservation Act, 2001 in the department.
iii. To participate in the meetings chaired by Nodal Officer/Head of Department.

Finance Personnel:

i. To deal with the budget requirement for implementing energy efficiency programs from the finances of the department
ii. To look after all the accounting works of Energy Conservation Cell.
iii. To evaluate and validate the energy savings accrued from energy efficiency programs implemented with support of Technical Officers.
iv. To participate in the meetings chaired by Nodal Officer/HoD.

3. Imparting training to officers/staff of Energy Conservation Cell:

i. Andhra Pradesh State Energy Conservation Mission (APSECM), SDA of AP shall conduct trainings/workshops/awareness programs to the user departments with support of expert agencies in energy efficiency & conservation field in the country such as Bureau of Energy Efficiency(BEE), GoI, The Energy Resource Institute(TERI), Administrative Staff College of India (ASCI) and National Productivity Council (NPC) etc. In this regard, APSECM has already empanelled 12 accredited Energy Auditing firms whose services will be utilized.

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ii. The concerned Departments/Corporations/Societies shall depute the staff of Energy Conservation Cell for trainings/workshops and pay TA & DA to their employees as applicable for regular training programs in the department.

iii. The APSECM as a first endeavor will strive for sanction of grants- in-aid from Bureau of Energy Efficiency (BEE), Govt. of India for organizing training to user departments. In case of non-availability of grants from Bureau of Energy Efficiency (BEE), the APSECM will look for other alternatives to raise finances including contributions from user departments on actual cost basis.

iv. Time-frame: 2 weeks (After formation of EC Cell)

v. Monitoring: The Secretary/Principal Secretary of the department or Head of Corporation/Society shall monitor and ensure the implementation of energy conservation and energy efficiency programs besides the training to the staff in the concerned department.

4. <u>Conducting Energy Audit:</u>

i. Andhra Pradesh State Energy Efficiency Development Corporation Limited, a joint venture of AP Power Utilities, shall engage reputed energy audit agencies through tendering process and shall award the energy audit in various sectors in the State to ascertain the possible energy saving opportunities and submit the recommendations for implementation.

ii. The required information regarding electrical equipment/inventory in place and their location shall be provided by the concerned Corporation/department.

iii. APSEEDCO shall act as Project Management Consultancy with the support of Energy Efficiency Services Limited (EESL), Govt. of India and Bureau of Energy Efficiency (BEE), Government of India.

iv. The Energy Audit will be conducted for implementing energy efficiency measures in Government buildings of departments/Corporations/Societies..

v. The energy audit agency shall collect the annual electricity bills in the existing departments/Corporations/ Societies and furnish comprehensive Action Plan for its reduction along with recommendations.

vi. Time-frame: 6 Months.

vii. Monitoring: APSECM shall monitor the energy audit reports and co- ordinate with the departments/Corporations/ Societies and audit agency to complete the audit within the specified time frame.

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5. Budget Requirement for Capital Expenditure:

i. The Energy Audit Agencies shall submit detailed Energy Audit Reports to APSECM with a copy to user departments comprising of recommendations and budget required in detail.
ii. The capital expenditure to implement energy efficiency recommendations is to be borne by the concerned Department/Corporation/Society.
iii. The Energy Conservation Cell shall submit their quarterly/ annual Action Plan to APSECM along with capital expenditure for proposed implementation of energy efficiency measures.
iv. The Energy Conservation Cell shall submit their quarterly/annual report to APSECM on implementation of energy efficiency measures

6. Monitoring Mechanism:

i. The Nodal Officer of the user department shall submit the status of all activities of energy conservation cell to the concerned Secretary/Principal Secretary to Government who will monitor and review the progress attained.
ii. The Nodal Officer of the user department shall also communicate the status of all activities of Energy Conservation cell and Minutes of Meetings to the Chief Executive Officer/APSECM, who will place the same before Executive Committee of APSECM for review and suggest recommendations.
iii. The Executive Committee chaired by Chief Secretary/Chairman of APSECM shall monitor and review the overall progress of all departments quarterly/ half yearly.

7. Awards for best performed departments for motivation:

The top 3 departments that achieve substantial savings shall be given State Energy Conservation Awards in the category of Gold, Silver & Bronze every year.

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8. <u>Time frame for implementation of energy efficiency measures in Government buildings</u> in 1st phase:

<u>Concluding note :</u> All the departments shall fulfill the objective of the Government in creation of Energy Conservation Cells mandatorily in their respective work places as the energy conservation plays an important role in reduction of energy consumption, reduce electricity bills and also address the climate change by lowering overall greenhouse gas emissions. It is the most economical strategy to advance climate protection efforts and provides an environmentally safe alternative to increased energy production and consumption.

SRIKANT NAGULAPALLI
SECRETARY TO GOVERNMENT